

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Meyers, Rachel E.				
Application No.:	09/945,173	Group No.:	1635		
Filed:	August 31, 2001	Angell, Jon			
For:	47324, A NOVEL HUMAN G PROTEIN AND USES THEREFOR				

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed:

() Within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

OR

M After three months of the filing date of this national application or the date of entry of the national stage as set forth in Section 1.491 in an international application or after the mailing date of the first Office action on the merits, whichever event occurred last but **before** the mailing date of either:

CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10*

I hereby certify that, on the date shown below, this correspondence is being:

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37 C.F.R. SECTION 1.8(a)

37 C.F.R. SECTION 1.10*

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Date: April 6, 2005

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Practitioner's Docket No. MPI00-370P1RM

- (1) a final action under Section 1.113,
- (2) a notice of allowance under Section 1.311, or
- (3) an action that otherwise closes prosecution in the application

whichever occurs first

whichever occurs first.
Accompanying this transmittal is the fee set forth in 37 C.F.R. Section 1.17(p) for submission of an information disclosure statement under Section 1.97(c). (\$180.00).
() Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(1).
() No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and to the knowledge of the person signing the statement after making reasonable inquiry, was known to any individual designated in Section 1.56(c) more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(2).
OR
[] The information disclosure statement transmitted herewith is being filed <i>after</i> a final action under Section 1.113, or a notice of allowance under Section 1.311, whichever occurs first, but before, or simultaneously with, the payment of the issue fee.
[] In accordance with the requirements of 37 C.F.R. Section 1.97(d):
A. [] Accompanying this transmittal is the fee set forth in 37 C.F.R. Section 1.17(p) for submission of an information disclosure statement under Section 1.97(c). (\$180.00).
B. [] Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(1).
C. [] No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and to the knowledge of the person signing the statement after making reasonable inquiry, was known to any individual designated in Section 1.56(c) more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(2).

Practitioner's Docket No. MPI00-370P1RM

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Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The fo	ollowin	g sections are being submitted for this Infor	mation	Disclosure Statement:			
1.	(X) Preliminary Statements						
2.	(X)	Form PTO/SB/08A (substitute for Form PTO-1449) (1 page)					
3.	(X)	Form PTO/SB/08B (substitute for Form PTO-1449) (3 pages)					
4.	(X) Copies of Listed Information Items Accompanying This Statement						
5.	5. (X) Copy of International Search Report for PCT/US01/27197						
		CERTIFICATION UNDER 37 C.F.	R. SEC	FIONS 1.8(a) and 1.10*			
I hereb	y certify	that, on the date shown below, this correspondence is	is being:				
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(Page 1 of 2)

Practitioner's Docket No. MPI00-370P1RM

Preliminary Statements

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. section 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Copies of Listed Information Items Accompanying This Statement

Legible copies of all items listed in Forms PTO/SB/08A and PTO/SB/08B (substitute for Form PTO-1449) accompany this information statement.

April 6, 2005

MILLENNIUM PHARMACEUTICALS, INC.

Kerri Pollard Schray

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40 Landsdowne Street Cambridge, MA 02139

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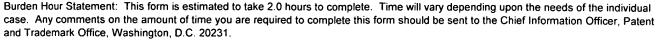
Complete if Known					
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Group Art Unit	1635				
Examiner Name	Angell, Jon E.				
Attorney Docket Number	MPI00-370P1RM				

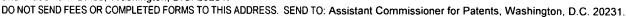
U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1		Document ind Code ² if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document (MM-DD-YYYY)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	AA	5,589,568		Higashijima et al.	12-31-1996	Entire document		
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	ВА	wo	96 / 37513	A1	SmithKline Beecham Corporation	11-28-1996	Entire document	
	BB	wo	99 / 06548	A2	GENSET	02-11-1999	SEQ ID NO: 227 and SEQ ID NO:481, pp 1, 144-148, 349- 351, and 622-623	

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¹Unique citation design number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 8Applicant is to place a check mark here if English language Translation is attached.









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Complete if Known					
Application Number	09/945,173				
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First Named Inventor	Meyers, Rachel E.				
Group Art Unit	1635				
Examiner Name	Angell, Jon E.				
Attorney Docket Number	MPI00-370P1RM				

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	· · · · · ·
Examiner Initials*	Cite No.1	Include the name of the author (in CAPTIAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T ²
	CA	ALBERTS et al., Molecular Biology of the Cell, 1994, pages 206-207, 230-232, 641, Garland Publishing, Inc., New York.	
	СВ	ALTSCHUL et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Research, 1997, 25(17):3389-3402.	
	СС	BOURNE et al., "The GTPase superfamily: a conserved switch for diverse cell functions", Nature, November 8, 1990; 348:125-132.	
	CD	CERIONE and ZHENG, "The Dbl family of oncogenes", Curr. Op. Cell Biol., 1996, 8:216-222.	
	CE	CHERFILS and CHARDIN, "GEFs: structural basis for their activation of small GTP-binding proteins", Trends Biochem. Sci., 1999, 24:306-311.	
	CF	GAMBLIN and SMERDON, "GTPase-activating proteins and their complexes", Curr. Op. Struct. Biol., 1998, 8:195-201.	
	CG	GRIBSKOV et al., "Profile Analysis", Meth. Enzymol., 1990, 183:146-159.	
	СН	GRIBSKOV et al., "Profile analysis: Detection of distantly related proteins", Proc. Natl. Acad. Sci. USA, July 1987, 84:4355-4358.	

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	CI	HALL, "The Cellular Functions of Small GTP-Binding Proteins", Science, August 10, 1990; 249:635-640.	
	C1	KROGH et al., "Hidden Markov Models in Computational Biology Applications to Protein Modeling", J. Mol. Biol., 1994, 235:1501-1531.	
	СК	MATOZAKI et al., "Small G-protein networks Their crosstalk and signal cascades", Cellular Signaling, 2000, 12:515-524.	
	CL	SCHEFFZEK et al. "GTPase-activating proteins: helping hands to complement an active site", Trends Biochem. Sci., July 1998, 23:257-262.	
44 - 44 - 44	СМ	SCHULTZ et al. "SMART, a simple modular architecture research tool: Identification of signaling domains", Proc. Natl. Acad. Sci. USA, May 1998, 95:5857-5864.	
	CN	SCHULTZ et al. "SMART: a web-based tool for the study of genetically mobile domains", Nuc. Acids Res., 2000, 28(1): 231-234.	
	со	SONNHAMMER et al., "Pfam: A Comprehensive Database of Protein Domain Families Based on Seed Alignments", PROTEINS: Structure, Fucntion and Genetics, 1997, 28:405-420.	
	СР	STULTZ et al., "Structural analysis based on state-space modeling", Protein Science, 1993, 2:305-314.	

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	CQ	WHITEHEAD et al., "Retroviral transduction and oncogenic selection of a cDNA encoding Dbs, a homolog of the Dbl guanine nucleotide exchange factor", Oncogene, 1995, 10:713-721.	
	CR	NCI-CGAP., "ns66d03.s1 NCI_CGAP_Pr22 Homo sapiens cDNA clone IMAGE: 1188581 3'. mRNA sequence," Dec 3, 1997, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on April 4, 2005]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov . GenBank Accession. AA662172	
	CS	SUGANO, S. et al., "Homo sapiens cDNA: FLJ22119 fis, clone HEP18852" Sep. 29, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on April 4, 2005]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov . GenBank Accession AK025772	
	СТ	BIRREN et al., "Homo sapiens, clone RP11-44J3, complete sequence," Aug 13, 1999, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on April 4, 2005]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov . GenBank Accession AC009289	

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